

Comparisons of Job Characteristics

Focus Occupation: [Farmworkers and Laborers, Crop, Nursery, and Greenhouse \(45-2092\)](#)

Associated Occupation: [Agricultural Equipment Operators \(45-2091\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 46

Focus Occupation: Farmworkers and Laborers, Crop, Nursery, and Greenhouse (45-2092)

Associated Occupation: Agricultural Equipment Operators (45-2091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Food Production	2.1	19.4	5.0	<<	Extensive education and/or training may be required
Chemistry	4.8	13.0	5.5	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.1	3.8	<<	Extensive education and/or training may be required
Mechanical	6.8	7.9	6.3	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 68

Focus Occupation: Farmworkers and Laborers, Crop, Nursery, and Greenhouse (45-2092)

Associated Occupation: Agricultural Equipment Operators (45-2091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	12.6	7.9	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	12.0	7.6	<<	Extensive development of skills in this area may be required
Repairing	3.4	8.7	4.5	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	8.7	5.1	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.5	5.6	<<	Extensive development of skills in this area may be required

Equipment Maintenance	3.5	8.3	4.9	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 82
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Focus Occupation: Farmworkers and Laborers, Crop, Nursery, and Greenhouse (45-2092)
Associated Occupation: Agricultural Equipment Operators (45-2091)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.6	10.6	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	12.3	10.3	<	Some improvement in abilities may be required
Depth Perception	5.3	10.6	7.6	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	10.5	5.8	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	10.2	7.4	<<	Extensive improvement in abilities may be required
Rate Control	3.8	9.0	7.1	<	Some improvement in abilities may be required
Response Orientation	4.0	8.6	6.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 100
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Focus Occupation: Farmworkers and Laborers, Crop, Nursery, and Greenhouse (45-2092)
Associated Occupation: Agricultural Equipment Operators (45-2091)

Work Activities	Exclusivity of Activity
Direct and coordinate activities of workers or staff	3
Drive automobile, van, or light truck	53
Drive truck with capacity greater than 3 tons	72
Follow horticulture irrigation techniques	87
Hand harvest agricultural crops	99
Identify crop characteristics	75
Identify fruit or vegetable or crops ready for harvest	87
Load, unload, or stack containers, materials, or products	37
Maintain or repair cargo or passenger vehicle	69
Maintain or repair farm vehicles, machinery, or mechanical implements	81
Move or fit heavy objects	8

Operate agricultural equipment or machinery	81
Operate power driven pumps	66
Operate tractor with accessories or attachments	76
Perform safety inspections in agricultural, forestry, or fishing setting	77
Plant, cultivate, or harvest crops, including aquaculture	80
Use hand or power tools	2
Use herbicides, fertilizers, pesticides or related products	71
Use portable hand spray equipment	82
Use vehicle repair tools or safety equipment	80

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 81

Focus Occupation: Farmworkers and Laborers, Crop, Nursery, and Greenhouse (45-2092)
Associated Occupation: Agricultural Equipment Operators (45-2091)

Tools and Technologies	Exclusivity
Agricultural machinery for cleaning and sorting and grading	62
Agricultural machinery for harvesting	35
Agricultural machinery for planting and seeding	33
Agricultural machinery for soil preparation	35
Audio and visual equipment	4
Conveyors and accessories	18
Data management and query software	1
Dispensing tools	6
Dispersing and spraying appliances for agriculture	26
Earth moving machinery	11
Forestry machinery and equipment	31
Garden tools	12
Industrial drying equipment	33
Industrial trucks	10
Information exchange software	1
Lifting equipment and accessories	3
Power tools	2
Product and material transport vehicles	13
Specialized and recreational vehicles	17
Weight measuring instruments	7

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.